

Abstract of the Disclosure

Compositions, methods and kits for diagnosing and treating cancer are provided. Therapeutic compositions may comprise agents that modulate the expression or activity of a sphingosine-1-phosphate lyase (SPL). Such compositions may be administered to a mammal afflicted with cancer. Diagnostic methods and kits may employ an agent suitable for detecting alterations in endogenous SPL. Such methods and kits may be used to detect the presence of a cancer or to evaluate the prognosis of a known disease. SPL polypeptides, polynucleotides and antibodies are also provided.

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